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**SOUTH GROUNDWATER CONTAMINATION  
PLUME WEEKLY REPORT FEBRUARY 19, 1993**

**02/19/93**

**DOE-FN/EPA  
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REPORT**

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Part 1 - Alternate Water Supply

Results of samples taken after additional disinfection of the wells are "negative" for coliform; therefore, approval from the Ohio Environmental Protection Agency (OEPA) is expected in the near future. Following OEPA approval, a 60-day acceptance testing period will be implemented prior to system turnover to Albright and Wilson Americas.

Part 2 - Pump and Discharge

Construction Package 2A pipeline installation is progressing and is on schedule for completion prior to initiation of the Package 2D (Test Well) pump test. Delivery of the outfall flow monitoring device is anticipated by February 28, 1993. Bids on the device "chamber" construction are due on February 22, 1993.

Construction Package 2B2 - Aeration Facility (Dissolved Oxygen Augmentation System) is progressing. The Package 2B2 schedule has been impacted by late delivery of blowers, but should not impact the overall Part 2 schedule. However, the blower delivery delays will likely result in inability to aerate the South Plume discharge stream during the Package 2D (Test Well) pump test. In a letter, dated August 26, 1992, DOE requested that OEPA acknowledge the likely non-aeration situation and provide relief from potential enforcement actions in the event of NPDES dissolved oxygen noncompliance; DOE has not yet received a written response.

The Delta Steel and Weber property condemnation cases were filed in U. S. District Court with a request for "Order for Delivery of Possession" by March 15, 1993.

The entire well field area (except Delta Steel property) Archaeological/Historical (A/H) survey was completed on February 8, 1993. The A/H report will be issued to the Ohio Historic Preservation Office following DOE review and approval.

Part 3 - Installation and Operation of an Interim Advanced Wastewater Treatment (IAWWT) system to reduce uranium contaminant loading to the Great Miami River to a level less than 1,700 pounds per year.

DOE expects to receive an informational notification recommendation from FERMCO by February 22, which describes FERMCO's decision to install a sand filtration pretreatment system at the IAWWT-Biodenitrification Effluent Treatment System (IAWWT (BDN-ETS) Unit). The notification will include a description of the proposed system features, which accommodate returning the IAWWT (BDN-ETS) unit to a manageable operating capability until the permanent IAWWT Facility is operational.